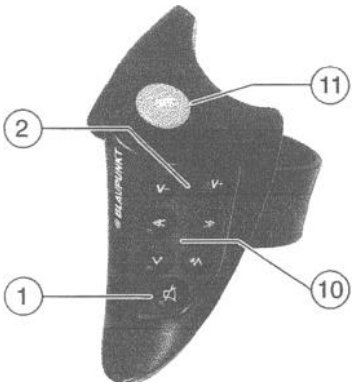
5 SERIES

ALASKA RDM 168, NEVADA RDM 168 & FLORIDA RD 168

BLAUPUNKT
Bosch Group

Operating Instructions
Mode d'emploi
Instrucciones de manejo
Instrução de serviço

ALL-DIGITAL TUNING & PROCESSING



Thummer™ III Steering Wheel Remote Control (sold separately)
Commande à distance Thummer™ III (optionnelle)
Funcionamiento del control remoto Thummer™ III (opcional)
Funcionamento do Controle Remoto Thummer™ III (opcional)

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Equipment overview

Florida RD 168

Florida RD 168 with multi-tone green display

Features:

- CD player
- 4 x 40 watt maximal output performance
- 4-channel preamp-output (3V)
- Release panel (detachable electronic face)
- RDS (FM/AM) EON
- PTY (station search by program type)
- Codem D reception model
- 30 storage areas
- Clock (exact time controlled by RDS with automatic daylight savings setting)
- Hicut (reduced interference when reception is difficult)

Nevada RDM 168

Nevada RDM 168 with multi-tone orange display

Same features as Florida RD 168, but in addition:

- Equalizer for setting of low and middle frequencies (1 band equalizer, bass logic)
- Source tone memory (customized tone setting of each signal source (Radio, CD, CD changer) is stored automatically for the respective signal source)
- Connection of remote control possible

  Telephone mute (muting during phone call)
- Disc management system (Control of a connected CD changer possible)
- AUX function (connection of an external signal source (e.g., a walkman) possible)

Alaska RDM 168

Alaska RDM 168 with multi-tone blue display

Same features as Nevada RDM 168. but in addition:

- Equalizer for setting of low, middle, and high frequencies (digital parametric equalizer / 2 band)
- Sharx (automatic IF bandwidth switching to reduce interference from adjacent stations)
- CD naming (possibility of naming the CDs in the CD changer to be able to list them on the display)

Quick reference

"Press" means a momentary press of less than 1/2 second. All presses requiring more than 1/2 second are followed by a beep. (Beep for all button presses available through Direct software Control Menu.)

① Power On/Off:
Press the On/Off button in the center of the level volume control or inserting a disc into the unit - the face must be installed and the ignition must be on. The unit operates at the preset volume level.

Power on/off when ignition is on:
When unit on, the unit can be turned off and then on again through the car ignition.
Last-used source becomes active unless unit is turned on by inserting disc, in which case CD player becomes active.

Power **on when ignition is off:**
The unit (with faceplate installed) can be operated again as follows when the ignition is off:
The unit is turned on by pressing the On/Off button in the center of the volume level control.
In order to protect the car battery, the unit will automatically stop playing after approximately one hour.

② Adjusting **the volume:**
The unit will operate at the preset volume level when it is turned on. The volume is changed by adjusting the loudness control.
Turn control to right to increase volume level. Turn control to left to decrease volume level.
Press On/Off button to temporarily reduce volume. "Mute" appears and volume level returns to the mute value set in the DSC menu.
To clear the mute function, press the On/Off button again or adjust the level control.
The mute function for reducing the volume level and the preset volume level of the unit can be changed according to the instructions under "Programming with DSC".

③ **AF**
To turn the AF function on/off:
Press the RDS key for approximately 2 seconds. You will hear a beep and "AF" appears.
With the assistance of RDS the unit will search for an alternative frequency that provides better reception for the station presently being listened to.
The AF function is turned off by pressing the RDS key for approximately 2 seconds.
After the beep the display will no longer display the letters "AF".

③ RDS
By briefly pressing the RDS key you can switch from the display of the station frequency to the name of the station (if available).

④ PTY
Program type = program mode
"PTY" turns the station keys to program type keys. Each station key allows you to choose a program type such as news, sports, rock, pop, education, etc. Once PTY is activated, the toggle switch **<<>>** is able to call all program types. To activate press on the PTY key and "PTY" appears. Press the PTY key again to disactivate.

(5) **BA**

To switch between the storage levels/ frequency band areas FM 1, FM II, TS (Travelstore) AM, and AM Travelstore.

Additional Travelstore features:
To activate Travelstore press the BA key until you hear a beep and "T-STORE" appears.
TS stores the six strongest stations.

(6) **Station keys 1 - 6**

Radio ooeration

At each storage level (I, II, and "T") of the FM area, you can store up to six stations.
You can also store 6 stations in the AM area and the AM Store area.

Preset Station Storage

Set the radio to the station to be stored. Press the station key where the station should be stored (program will be muted) and hold down the key until the program can be heard again and the beeping stops.

Preset **Station Selection**

To set the frequency band area and choose the desired storage level (FM, AM or FM/AM Travelstore) press one of the six preset stations. You can listen to the station stored there.

Additional features of the preset station keys
To store and select the PTY program type.
After activating PTY ("PTY" appears in the display), you can store and select a program type (e.g., rock, pop, classical, news, etc.) on each station key in FM operation.

CD operation

3/II pause

Press station key number 3 and the current CD program will be switched and "pause" appears. Press station key 3 again to stop pause.

4/RPT repeat

CD titles can be played repeatedly.
You are able:
To repeat the presently playing title ("REPEAT-T") or all titles of the CD you are presently playing ("REPEAT-,,,).
When the RPT function is activated the display lights up with "RPT". After choosing the repeat function and after each title change, the display will briefly show "REPEAT-T" or "REPEAT-D".

REPEAT-T on:
- Press "4/RPT".

REPEAT-D on:
- Depress "4/RPT" and hold.

To turn "RPT" off: Press "4/RPT".

5/Mix operation

Press station key 5 to turn on the mix operation for the currently playing CD. This will cause the titles of this CD to be played in a random sequence. "MIX CD" appears and the word "MIX" will fade in at the bottom of the display.
Pressing station key 5 again to disactivate this function.

5/Mix operation of the CD changer

CD titles can be played in random sequence.
You are able to:
Play all titles of a CD ("MIX-CD") or all titles of all inserted CDs ("MIX-ALL") in random sequence.
When the MIX function is activated, "MIX" appears.
After switching to this function and after each title change, the display will briefly show "MIX-CD" or "MIX-ALL".

MIX-CD on:
- Press "5/MIX".

MIX-ALL on:

- Hold "5/MIX" depressed.

Press "5/MIX" to disactivate MIX.

(7) **Clock** display
Press the DIS key when the unit is turned on and the current time will be shown for approximately 8 seconds.
Additional features of the clock display
Press and hold DIS key until it beeps which will result in a permanent time display.
When carrying out other functions, the time display will be masked **for approximately 8** seconds.

(8) DSC (direct software control)
You can customize certain basic unit settings with DSC. Additional information can be found in the section "Programming with DSC".

(9) **AUD**
This key activates the tone setting menu. You can set different tone settings for each operation mode. The last setting for each operation mode will be stored. (This applies only to the Nevada RDM 168 and the Alaska RDM 168.)

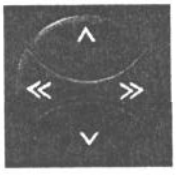
Setting treble (high tones) and bass (low tones):
Press the AUD key once. The display will show "BASS" and you can change the setting by pressing the toggle switch either to the left or right.
You can change the treble setting by pressing the rocker switches either up or down while the display shows "TREBLE".
The display will show the chosen values. The last value will be stored.
Press the AUD key to disactivate.
The AUD setting will end automatically if there is no change within 8 **seconds.**

Setting balance (left/right) and fader (front/back):
Press the AUD key two times.
By operating the rocker switches up or down you can set the volume ratio between the front and the back speakers. At the same time the display will indicate "FADER".
Press the toggle switches to the left and right to adjust the volume. At the same time, the display will indicate "BALANCE".
The display will show the selected values. The last value will be stored.
Press the AUD key to turn off.
The AUD setting will be end automatically if there is no change within 8 seconds.

(9) LD - loudness
To set the low tones appropriate for the human ear at low volume levels.
Press the AUD key to turn the loudness function on/off and hold the key down until you hear a beep. In units with source tone memory, the loudness function can be turned on and off for each signal source independently.

(10) Toggle switch

Radio operation



Automatic tuning

^/v	Station search
A	up
v	down

Manual tuning
<<>> incrementally up/down
(in FM only when AF turned off)

In FM only:

<< >> Scrolling through the station chains when AF is on (e.g. NDR1,2,3,4, N-Joy . ..)

CD operation

Select title

^ up

V down

By pressing V once, the currently playing title will start from the beginning.

>> Fast forward, audible
Hold depressed as necessary

<< Fast reverse, audible
Hold depressed as necessary

Additional functions of the toggle switch:

Possible other settings with

AUD (9)

DSC Mode (8)

PTY (4)

The respective function must be activated.

(11) **SRC**

"SRC" (source)

This key allows you to switch between the operation modes Radio, CD and a CD changer (if one is connected).

(11) SC **Scan**

Radio operation

Press the SC key for approximately 2 seconds.
You will hear a beep and the display will alternate between "SCAN" and the abbreviated name of the scanned station. All FM stations that can be received will be briefly scanned.

PTY scan:

The PTY scan can only be started if PTY is turned on. (The display will show "PTY".)
Press the SC key for approximately 2 seconds.
You will hear a beep and the display will alternate between **"PTY** SCAN" and the abbreviated name of the scanned station.
The stations with the selected program type will be briefly scanned.

Stop Scan / PTY: Press the SC key.

CD changer

Press the SC key for approximately 2 seconds. You will hear a beep and the display will show "SCAN". Each title of each CD will be briefly scanned sequentially.

Stop CD Scan: Press the SC key.

CD Chanaer

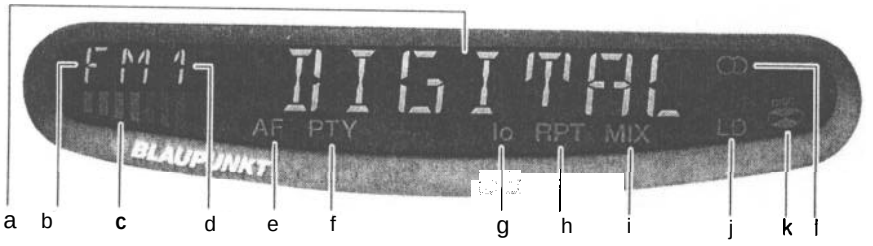
Press the SC key for approximately 2 seconds. You will hear a beep and the display will show "SCAN". Each title of each CD will be briefly scanned sequentially.

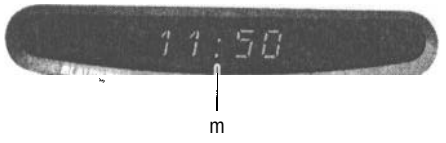
Stop CD Scan: Press the SC key again.

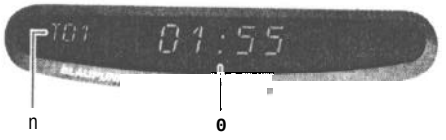
(12) **Inserting CD**

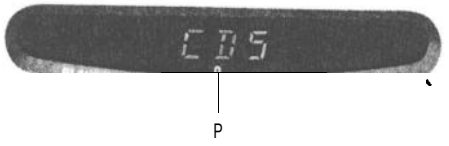
After inserting the CD with the label facing up, it is automatically transported to the operating position. The unit automatically switches and plays the content of the inserted CD.

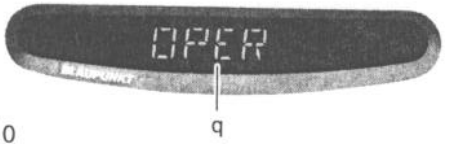
(13) Display











a) - Station name
b) - Frequency band area
c) - Peak/volume display
d) - Station keys (1 - 6)
e) - Alternative frequency with RDS
f) - Program type activated
g) - Sensitivity of station search
h) - CD repeat function activated
i) - CD mix operation activated
j) - Loudness function on
k) - CD in unit
l) - Program played in stereo
m) - Time display
n) - First CD title being played
o) - Length of time CD title has been playing
P) - Fifth CD in CD changer being played
q) - CD name

(14) Eject

When you press this key the unit will eject the inserted CD.

(15) Detachable face

By pressing the REL key the face will be freed and can be detached.
When you attach the face, first insert it into the mounting unit on the right hand side of the radio. Then press the face to the left side of the radio until you can hear it snap into place.
Be sure not to press on the display when attaching the face.

Important information

What you definitely should read

You should read the following information carefully before operating your car radio.

Traffic safety

Traffic safety should be your main concern. At all times you should use your car radio system so that you are able to react to the existing traffic conditions quickly.

Consider that your automobile travels 46 feet per second when driven at a speed of 31 miles/hour.

We recommend that you refrain from operating the car radio when traffic conditions are critical.

You must be able to react to warning signals (e.g. ,by the police and the fire department) in a timely and safe manner when driving your car.

For that reason, you should listen to your program at an appropriate volume level.

Installation

We urge you to read the enclosed information about installation and add-ons before you attempt to install or expand your system.

In order for the system to operate problem-free you must connect “Plus” with the ignition and with the permanent +12V lead.

You must definitely not ground the speaker outputs because that will damage the power amplifiers.

Telephone mute

If you use a car telephone, the radio and CD output can automatically be muted (telephone mute) when you receive a call. The display will then show “PHONE”.

Accessories

You should use only the accessories and replacement parts authorized by Blaupunkt. You can operate the following Blaupunkt products with this unit:

Additional amplifiers

All Blaupunkt amplifiers

CD changer

Only the Nevada RDM 168 and the Alaska RDM 168 can be operated with a CD changer. The CD changer CDC-A 08 and CDC-A 072 can be used for that purpose.

kemote control

The infrared remote control RC 08 enables the operation of the most important radio functions from the steering wheel.

Protective **case for detathable face**

A protective case is delivered with the radios designed with a detachable face.

Anti-theft security system/detachable face

The radio it is equipped with a detachable face in order to prevent theft.

Detaching face

You detach the face by pressing the REL button at the top left of the radio. The face will snap out of its mounting unit and can be detached from the radio. The face can be detached when the radio is on or off.

Attaching face

You attach the face by sliding it into the mounting points on the right side of the radio and by pressing the face into the mounting unit until you can hear it snap into place. Be sure not to press on the display when attaching the face.
After attaching the face the radio will return to the same operating mode as before the face was last removed.

Care of face

The detached face should be carefully protected from the impact of blows and shock. The face must not come into contact with any liquids and should not be exposed to direct sunlight and other heat sources. In order to guarantee the trouble-free operation of the radio the terminal strip visible at the back of the face must be in excellent condition.
Therefore, when storing the detachable face, please use the protective case that was delivered with the radio.

Locking face

In order to prevent the unauthorized removal of the face (e.g., during a sales presentation of the radio equipment), it is possible to lock it.
For that purpose, you insert the face and turn the delivered screw into the threaded hole at the left side of the radio.

Choosing mode of operation

"SRC" (source) enables you to choose between the operation modes Radio, CD and CD Changer (if one is connected).
"CD" can only be chosen if a CD is inserted.
"CD changer" can only be chosen if a CD changer including a CD magazine is connected.
If that is not the case, the display will show "NO CD".
You can switch the mode of operation by pressing the SRC key.

RDS radio operation

The radio data system improves the ease of listening to FM stations.
More and more radio stations send RDS information in addition to the program.
As soon as station programs can be identified, the abbreviated name of the station along with the abbreviation of the region (if available) will be displayed (e.g., NDR 1, NDS (Niedersachsen)).
When the AF function is activated, RDS turns the station keys into program keys. Now you know exactly which program you are receiving and you are able to select the desired program directly.
RDS offers the following additional benefits:

AF alternative frequency

The AF function automatically assures that the program is received at the best frequency.
This function is on when the display lights up with the letters "AF".
The radio output can be muted during the search for the best frequency of the selected program.
The unit is automatically searching for an alternative frequency if the display shows "SEARCH" when you turn the radio on or call a stored frequency.
"SEARCH" is no longer displayed when an alternative frequency is found or the entire frequency band was searched.
You should choose a different program if the selected one can no longer be received with acceptable quality.

Selecting frequency band areas

You may choose between the following frequency band areas:

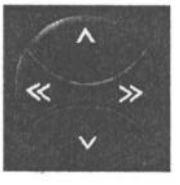
FM 87.7 - 107.9 MHz,
AM 530 - 1710 kHz

You select the desired frequency band area by pressing the BA key.

Station tuning

Station search ∧/∨

When you press ∧/∨ the car radio will automatically search for the next station.
When you hold ∧/∨ depressed in the up or down position the station search will quickly fast forward or **reverse.**



Station **search**
A up
V dpwn
<<>> **incrementally up/down (in** FM **only if** AF **is turned off)**

Manual tuning with <<>>

You can tune manually.
AF and PTY must be turned off. (The symbols do not light up in the display.)
You may also turn these functions off by pressing the RDS key or the PTY key.

To perform manual tuning:
Pressing cc >> will incrementally change the frequency up or down.
If you hold the toggle switch down on the right or left, the frequency search will be conducted quickly.

Scrolling through station chains (only FM)

You can call a station in the reception area by pressing **<<>>.**
If several programs of the station chains can be received you are able to scroll >> (forward) or << (reverse) through the station chains (e.g., NDR 1, 2, 3, 4, N-JOY . ..).
In order for this to work, the stations must have been received at least once before and AF must be activated (lit up in the display).

For example, you can start Travelstore as follows:

- Press the BA key for 2 seconds. This will cause a frequency search.
- If AF is not lit up you press the RDS key.

Pressing << >> enables you to chose the station.

Changing storage level (FM)

In order to store or call the stored stations, you may switch between the storage levels 1, 2, and T, as well as AM and AM Travelstore.
The display will indicate the selected storage level.

- Press the BA key until the display shows the desired storage level.

Storing stations

By pressing the station keys 1- 6 you can store six stations per storage level (1, 2, and T) in the FM area.
In the AM and the AM Travelstore area you can also store six stations per storage level.

- The BA key allows you to choose the frequency band area.

  Select a station by using the toggle switch (automatically ∧/∨ or manually << >>).

  Press the desired station key until the muted program is audible again (approximately 2 seconds) or the beeping stops.

Now the station is stored.
The display shows the stored station.

Automatic storage of strongest stations with Travelstore

You can automatically store the six strongest FM and AM stations of the respective reception area you are presently in. This function is particularly useful when you are traveling.

- Press the BA key for 2 seconds.

The display will show “T-Store”.
The six strongest FM or AM stations will automatically be stored in storage level T (Travelstore). When the process is completed the strongest of the six stations will be shown in the display and its program will be audible. You may also store stations in the Travelstore level by following the instructions under “Storing stations”.

Calling stored stations

You may call the stored stations by pressing the respective keys again.

- Choosing the frequency band area with the BA key and selecting the desired storage level. Press the BA key repeatedly until the desired level appears in the display, then press the respective station key.

Scanning stations with radio scan

You can briefly scan the stations you are able to receive.

To turn on scan:

- Press the SC key for 2 seconds.

The display will flash the scanned frequency or the abbreviated station name. During the search the display will light up with “FM-SCAN” or “AM-SCAN”.
If you would like to listen to the scanned station for a longer period, you Press the SC key and thereby terminate the preset scan. If no station is selected, the scan operation will be turned off after the search of the frequency band is concluded and the station you selected prior to the scan function will be played again.

Changing scan time

You may increase the duration of the scan process incrementally from 5 to 20 seconds. Additional information can be found under “Programming with DSC”.

Changing sensitivity of station search

You may change the sensitivity of the automatic station search.
If “lo” is displayed, the search will only look for stations with good reception (low sensitivity).
If “lo” is not displayed, the search will also include stations with lower reception quality.
Under “Programming with DSC” you can find information about how to switch the sensitivity of the station search and how to program the station search sensitivity.

Switching stereo/mono (FM)

The DSC menu allows you to switch between stereo and mono. This can be useful in marginal reception areas.
When turning the unit on it automatically provides stereo output.
As the quality of the reception decreases the unit changes smoothly to **mono output.**
The chapter “Programming with DSC/Stereo/Mono” informs you how to switch to mono.
The chosen mode will be briefly indicated in the display.

Activating automatic IF bandwidth switching

The SHARX function in the DSC menu allows you to activate automatic IF bandwidth switching. This function proves to be beneficial when a reception area contains many stations. Choosing “SHARX ON” eliminates most of the interference caused by strong adjacent stations.
You can find additional information under “Programming with DSC - SHARX”.

PTY- Program type (mode)

This is an RDS service that is gradually being implemented by the broadcast companies. It allows you to automatically search for stations with a certain program content. You choose the specific program type and a search for the respective stations is conducted by station search or the scan function.

Program types

Turn on PTY by pressing the PTY key.
By pressing cc >> you can identify the program type you chose last and select a different one.
The station keys 1 - 6 enable you to select the stored program types. Some of the available program types are mentioned below:

POP
ROCK
WEATHER
CHILDREN
TRAVEL
HOBBIES
JAZZ
OLDIES
NEWS
SPORTS
CULTURE

Turning PTY **on/off**

- Press the PTY key.

When the function is activated the display will briefly indicate the program type you last chose and then it permanently shows **“PTY”.**

Inquiring **about station program type**

- Press the PTY key for approximately 2 seconds.

After the beep the display will indicate the program type the received station is broadcasting.
If the display indicates “NONE,” the station is without PTY identification.

Choosing program type

a) with the station keys:

When PTY is turned on, the station keys 1- 6 select the program types determined by the factory.

- Press one of keys (1 - 6). The display will show the selected program type for 2 seconds.
- If you would like to listen to a station broadcasting this program type, start the station search by pressing ∧/∨.

Should no station with the chosen program type be found, the display will briefly indicate “NO PTY” and you will hear a beep. The station last selected will be received.
Each storage area can be used for a different available program type. Should you wish further information, you may turn to the next paragraph titled “Storing the program type”.

b) with the station search toggle switch << >>:

When PTY is turned on, you can choose a program type by pressing. << >>.

- Press << or >>. The program type last selected will be displayed for 3 seconds.
- During that time you are selecting the desired program type by pressing >> (forward) or << (reverse).
- Press >> or << as often as necessary.
- If you would like to listen to a station with a particular program type start the station search by pressing ∧/∨.

If no station with the selected program type can be found, the display will briefly indicate “NO PTY” and you will hear a beep. The last selected station will be received.

Storing program type

The factory has stored one program type on each of the keys 1 - 6.
You may, however, store other available program types.
If you would like to store a different program type, “PTY” must be illuminated in the display.

- If you wish you may turn “PTY” on by pressing the PTY key.
- Select the program type by pressing << >> and then press the selected key (l-6) until you hear a beep.

The selected program type can be called with this key when “PTY” is illuminated in the display.

Scanning stations with PTY scan

The display must show “PTY”.

. Press the SC key.

The stations that can be received and are broadcasting this program type will be briefly scanned.

To turn off scan:

- Press the SC key or the station search toggle switch once more.

PTY priority

Scenario:

PTY is turned on; the letters appear in the display.
Presently no station of the selected program type can be received (not with station search or the scan function).
The unit switches back to the previous station.
If the radio is on, it will switch to that station for the duration of the program as soon as a station within the station chain of the selected program type can be received.

Example:

- Current station: NDR 3;
- “PTY” lit up in the display;
- POP chosen;

- Station search started, no station with PTY-POP found.
- Display shows “NO PTY” and automatically switches back to NDR 3.
- NDR 2 is broadcasting PTY-POP; the unit switches within the station chain to NDR 2 for the duration of the program.

Even during CD operation, the unit automatically switches within the station chain to the radio station broadcasting the selected program type.
At the end of the PTY program, the unit will switch back to the previous source (radio or CD).

Note:
Please note that, as already mentioned, not all RDS stations are supporting those functions yet.

CD operation

You can play CDs with this unit.

Note:
You should only use the commercially available round CDs with a diameter of 12 cm! CDs with a diameter of 8 cm or CDs in the shape of, for example, a butterfly or a beer mug are not suitable to be played in the unit. You could cause serious damage to the CD and the drive.
We can not be held liable for damages caused by unsuitable CDs.

Turning CD operation on

After inserting the CD (the display shows “CD”), you switch the sound source with the SRC key:

- Press the SRC key as often as necessary for the display to show CD functions (title number and playing time).

Inserting CD

- Turn the unit on.
- Gently insert the CD (with the label facing up).

The CD is automatically moved to the playing position and is played.

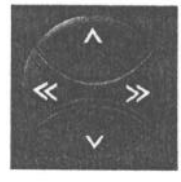
Removing CD

- Press the eject key.
  The CD will be ejected.

In order to protect the mechanism that automatically inserts or ejects CDs, you must not interfere with it. If the CD is not removed, it will be retracted automatically after approximately 30 seconds.

Choosing title

After you insert the CD, the display will show the activated CD functions.



Choose title ∧/∨

∧ up

∨ down
Pressing ∨ once will start the presently played title from the beginning.

>> Fast forward, audible (CUE).
Press as long as necessary.

<< Fast reverse, audible (REVIEW).
Press as long as necessary.

The toggle switch acts as a sequence switch; by pressing it several times several songs can be skipped.
The display will indicate "T" (Track) and the respective number of the song just selected.

CD mix operation

CD titles can be played in a random sequence. To activate and deactivate that function Press station key 5. The mix function is on when the display briefly shows "MIX CD" after implementing the change and at the beginning of each new title.

CD pause

If you press station key 3 while playing a CD, the CD program will stop. The display shows "CD PAUSE".
By pressing station key 3 again, the pause function is deactivated and the CD program will be continued where it stopped.

CD repeat (RPT/repeat function)

CD title can be played repeatedly.

You are able to:
Repeat the presently playing title (REPEAT-T) or all titles of the CD you are currently playing (REPEAT-D).
When the RPT function is activated, the display will light up with "RPT". After choosing the repeat function and
after each title change, the display will briefly show "REPEAT-T" or "REPEAT-D".

REPEAT-T on:

- Press 4/RPT.

REPEAT-D on:

- Depress 4/RPT and hold.

To turn RPT off: Press 4/RPT.

CD SCAN operation

To briefly scan the CD titles.

To activate SCAN:

- Press the SC key for 2 seconds; the display will show "CD-SCAN".

The titles will be briefly scanned sequentially.

To deactivate SCAN:

- Press the SC key for 2 seconds.

The title last played will be continued.

CD changer operation

Note: The operation of the CD changer is only possible with the Nevada RDM 168 and Alaska RDM 168!
The changer is equipped with a magazine for 10 CDs.

Note:
You should only use the commercially available round CDs with a diameter of 12 cm! CDs with a diameter of 8 cm or CDs in the shape of, for example, a butterfly or a beer mug are not suitable to be played in the unit. You could cause serious damage to the CD and the drive.
We can not be held liable for damages caused by unsuitable CDs.
You should keep the door of the CD changer closed after inserting the magazine in order to prevent dirt from entering.

Inserting CDs

Load the magazine with one or several CDs (with the label facing up). Slide the magazine into the CD changer. Note the direction of the arrow. The CDs are counted from the bottom up.

Removing CDs

Open the door of the CD changer and press the eject button.

Playing CDs

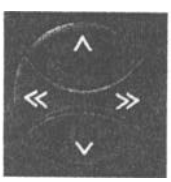
Select the CD changer with the SRC key.

- Press the SRC key repeatedly until the display shows “CHANGER”.

The first CD recognized by the changer will be played.

Choosing titles

When you first begin to play the CD the display will indicate the information identifying the CD (e.g., number, name, or playing time).



Choose CD ∧/∨

∧ up

∨ down
The display will show the number or name of the currently played CD.

>> Fast forward, audible (CUE)

<< Fast reverse, audible (REVIEW).

You can skip several songs by pressing the key several times.

The display will indicate “T” (Track) and next to it the respective number of the song just selected.

CD MIX operation

CD titles can be played in a random sequence.

You are able to:
Play all titles of a CD (MIX-CD) or all titles of all inserted CDS (MIX-ALL) in random sequence.
When the MIX function is activated, the display will show “MIX”.
After switching to this function and after each title change, the display will briefly show “MIX-CD” or “MIX-ALL”.

MIX-CD on:

- Press 5/MIX.

MIX-ALL on:

- Depress 5/MIX and hold.

To turn off MIX: Press 5/MIX.

CD PAUSE

If you press station key 3 while playing a CD, the CD program will stop. The display shows “CD PAUSE”.
By pressing station key 3 again, the pause function is deactivated and the CD program will be continued where it stopped.

CD Repeat (RPT/repeat function)

CD titles can be played repeatedly.

You are able to:
Repeat the presently playing title (REPEAT-T) or all titles of the CD you are currently playing (REPEAT-D).
When the RPT function is activated, the display lights up with “RPT”. After choosing the repeat function and after each title change, the display will briefly show “REPEAT-T” or “REPEAT-D”.

REPEAT-T on:

- Press 4/RPT.

REPEAT-D on:

- Depress 4/RPT and hold.

To turn RPT off: Press 4/RPT.

CD SCAN operation

To briefly scan the CD titles.

To activate SCAN:

- Press the SC key for 2 seconds: the display will show “CD-SCAN”

The titles will be briefly scanned sequentially.

To deactivate SCAN:

- Press the SC key for 2 seconds.

The title last scanned will be continued.

Naming CDs

Choosing the display mode

When playing CDs, you may select the display mode:

"DISC NO" – The number of the CD currently being played is displayed.

"NAME" – The name entered (e.g., Madonna) will be displayed (only the Alaska RDM 168).

'TIME" – The number of minutes the title has already been playing (e.g., 2:32) is displayed.

To change the display mode

The display mode can be changed in the DSC menu (see "Programming with DSC-CD DISP").

The factory setting for the display mode is TIME.

The display mode is briefly indicated and then the respective value is displayed (e.g., "TIME," "2:32").

If you select NAME and the CD does not have a name, the display will remain in the TIME mode.

For more information about this you should also read the section "Naming CDs".

Note: The following functions can only be activated on the Alaska RDM 168.

You can name CDs. This name (e.g., MADONNA) will appear in the display once you select the display mode "CD NAME" in the DSC menu.

If your radio has a built-in CD player you can name up to 30 CDs. When you insert one of those CDs, the unit recognizes the CD and displays its name if this display function has been selected in the DSC menu.

You can name up to 99 CDs when you are using a CD changer. When playing one of those CDs through the CD changer, the unit recognizes this CD and displays its name if this display function has been selected in the DSC menu.

Starting CD name input

Select "CD player" or "CD changer" with the SRC key and insert a CD if necessary.

- Press the DSC key repeatedly until "CD/CDC NAME" appears in the display.
- Press << >> to set the modus CD NAMING.

A CD number or a CD name will be diplayed.

- Select the desired CD by pressing ^/v.
- Press << >> to set the mode CD NAME EDIT MODE.

If the CD has not yet been named 8 spaces will appear in the display. The first space will blink.

- Press ^ or v and select the letter, the number or an empty space.
  To select an empty space, select the symbol "_".
- Press << or >> to set the next character.
- Press the DSC key to store the name.

The display will return to the mode CDC NAME.

- Repeat this procedure to name an additional CD.
- If you would like to leave this mode entirely, press the DSC key.

To change a CD name:

If you would like to change an existing name, follow the steps under "Starting CD name input".

Deleting CD name input

You may delete individual names, the CD magazine, or the complete name list of a player or changer.

Deleting one CD name

- **Select CD NAMING MODE.**
- **Choose the CD to which you would like to** assign a new name.
- Select the mode CD NAME EDIT.
- Press the DSC key and hold it down.

You will hear a beep after 2 seconds (and after 8 and 12 seconds). After 2 seconds, one name is deleted. If you are only planning on deleting one name, press the DSC key for at least 2 seconds and release it before the end of 8 seconds.
After the name has been removed, the display will show “DELETED”.
Then the display will return to the CDC NAME mode.

Deleting all CD names of a CD magazine

- Select CD NAMING MODE.
- Choose the mode CD NAME EDIT.
- Press the DSC key and hold it down.

After 2, 8, and 12 seconds you will hear a beep. The names stored in a CD magazine will be deleted in 8 seconds. Therefore, you should press the DSC key for at least 8 seconds and release it again prior to the end of 12 seconds. After the names have been removed, the display will show “DELETED”.
Then the display will return to the CDC NAME mode.

DeletIng entire name storage of a CD changer

- **Select CD NAMING MODE.**
- **Choose the mode CD NAME EDIT.**
- Press the DSC key and hold it down.

After 2, 8, and 12 seconds you will hear a beep. The names of all CDs in the CD changer will be deleted in 12 seconds. Therefore, you should press the DSC key for at least 12 seconds. After the names have been removed, the display will show “DELETED”.
Then the display will return to the CDC NAME mode.

Deleting entire name storage of a CD player

The procedure is the same as for the CD changer except that the name storage is deleted after the DSC key has been depressed and held for 8 seconds.

Clock /time

The unit is equipped with an internal clock for which the hours and minutes are set via RDS in order to assure a high degree of accuracy.
This RDS control is only possible when an RDS station with CT (clock time) function can be received.
The automatic adjustment for daylight savings time can be turned off. Please note that presently not all RDS stations broadcast a time signal.

Setting time

a) Automatically

The time will be set automatically if an RDS station with CT (clock time) function can be received.

b) Manually with DSC-CLOCKSET

- Press the DSC key; the display shows “MENU”. Press ∧/∨ until “CLOCK SET” is displayed.
- Press << >> to set the hours/minutes. The blinking area can be changed by using ∧/∨.
- Press the DSC key to store the entered setting.

Displaying time

The time can be displayed permanently during radio and CD operation. If another function is chosen, the time display will disappear for approximately 8 seconds while, for example, the selected station is being indicated.

To change the display mode:

- Press the DIS key for approximately 2 seconds until you her a beep.

Adjusting time after power outage

If the unit is without power for an extended period of time, the display will show “0:00” when it is in operation again. The time will be reset automatically by RDS-CT. It can, however, also be set manually.
Manual setting of the time is only necessary if there is no RDS station with CT function in the reception area.

Turning off adjustment for daylight savings time

The DSC menu option CLK MAN/CLK AUTO allows you to turn off the adjustment for daylight savings time. The minutes will continue to be adjusted automatically.

This can be useful if, for example, you are interested in displaying the time of a different time zone.
For this purpose

- Press the DSC key repeatedly and ∧/∨ until “CLK MAN/CLK AUTO” is displayed.

To deactivate the time adjustment use << >> to select “CLK MAN”.

Equalizer Setting

The sound in a vehicle is determined to a greater extent by the acoustic characteristics of the interior than by the characteristics of the loudspeaker.
Position, installation and the rear volume of, for example, the door or the rear shelf play a larger role.
Even if the loudspeakers are carefully selected and installed resonances in the interior of the car can negatively impact the sound.
This could lead to an elimination of the base level or to roaring or a dominating [?] middle level.
The musical instrument or voices could be seriously distorted or the sound could appear completely muffled.
The sound effect from a car radio could be significantly improved if certain frequency areas could be suppressed or amplified.
This unit is equipped with one (Nevada RDM 168) or two (Alaska RDM 168) parametric filters.
The first filter referred to as LOW EQ can be set to a range between 32 Hz and 500 Hz. The second filter referred to as HIGH EQ can be set to a range between 630 Hz and 10,000 Hz. In this case, parametric means that the frequency and the volume increase/decrease (+10 to -20db) can be adjusted separately for each filter.
This parametric filter can be adjusted precisely without any measuring instruments. The individual steps necessary for the settings are described in the table.

Setting instructions

The following instructions are only recommendations. You are free to implement your own sound preferences.
When you adjust the filters we recommend that you use a CD with music you are familiar with.
The CD titles should present various instruments and songs. Music that is purely electronic will not serve the purpose because the original sound will not be known.
Set the bass, treble, balance and fader to "0" before you set the equalizers and, if necessary, turn off the loudness function.
This setting is described under "AUD" in the quick reference.
Now listen to the CD you are familiar with.
Determine whether the sound effect meets your expectations.
Then read the table under "Sound effect/ problem" and find a solution under "Action".
Adjust the bass and middle sound level with the LOW EQ filter.
For the high and middle levels, choose HIGH EQ (only the Alaska RDM 168).

You can set the HIGH EQ and LOW EQ filters in the DSC menu:

- Press the DSC key.
  Press ∧/∨ repeatedly until HIGH EQ or LOW EQ appears in the display.
- Press << or >> once and set the level by pressing ∧/∨ according to the table below.
- Change the frequency areas by pressing <<>>.
- Press the DSC key to store the new settings.

You can activate the equalizer in the DSC menu under the option EQ ON and deactivate it under the option EQ OFF. Thus, you are able compare the sound with and without the equalizer.

Assistance in setting your equalizer

Start to **make your settings** in the mid-range/treble and end it with the bass range.

Frequency range	Sound impression/problem	What to do	Notes
Bass 30 - **100** Hz	**Bass reproduction too weak**	Boost the basses with the "LOW EQ" filter Frequency: 50 to 100 Hz Level: +4 to +6 dB	Avoid distortion. Boost the level carefully if the speaker diameter is too small
Lower mid-range 100 - 400 Hz	Unclear bass Playback reverberates Unpleasant pressure on the ears	Reduce the lower mid-range with the "LOW EQ" filter Frequency: 125 to 400 Hz Level: approximately -4 dB	The tone may become too lean and aggressive. Pay attention to the underlying tone of the music.
Mid-range sound **400 - 4 000** Hz	Sound appears to be in the foreground, very aggressive, no stereo effect	Reduce the mid-range with "HIGH EQ" filter Frequency: 1000 to 2500 Hz Level: -4 to -6 dB	Playback should not be too quiet. Tone too powerless
Treble **4 000 - 20 000 Hz**	Lifeless reproduction Lack of transparency Instruments do not sparkle	Boost treble range with "HIGH EQ" filter Frequency: approximately 10 kHz Level: +2 to +4 dB	Avoid a piercing type of tone Strong hissing sound unpleasant

DSC programming

The DSC (direct software control) function of the car radio offers you the opportunity to adjust some of the settings and functions according to your needs and to store these changes.
The units are delivered with factory settings. An overview of the basic factory settings is provided below to enable you to return to these basic settings at any time.
Should you wish to change a programmed setting

- Press the DSC key.

Use the toggle switch to implement the choice and setting of the functions described below. The display will show the selected setting.

Select the function by pressing ∧/∨.
Set or select the value by pressing <<>>.

Note:
Whether the various settings explained below are available to you depends on the model of your car radio and its features. This means, for example, that you will not find the setting for CDC DISPLAY in the DSC menu of the Florida RD 168 radio which is not intended to be operated with a CD changer. Basically the rule applies that you are not able to select functions the radio is not equipped with. Consequently, the settings of these functions don't need to be adjusted (see also chapter "Unit overview").

AM ON/OFF	It is possible to lock the AM area. AM ON - all areas AM OFF - FM
AUX IN	If another signal source is to be connected through the CD changer, input AUX must be set to ON. Select the AUX function with the SRC key. The display indicates "AUX".
BEEP	Confirms functions for which the key needs to be pressed down longer than 1 second. The loudness of the beep can be set between 0 and 9 (0 = Off).
CLOCKSET	For setting the clock time manually. Refer to "Clock/time".
CLK. MAN.	Turn off adjustment for daylight savings time. Refer to "Clock/time".
CLK. AUTO	Automatic time adjustment with RTS/CT signal. Refer to "Clock/time".
CLK. 12/24	Setting of 12 or 24 hour modes.
CD DISP.	Select display NAME, TIME. Refer to "Select display mode".
CDC DISP	Display NAME, TIME, or CD NUMBER when using CD changer.
CD NAME	Appears only when CDs are played. This function allows you to name the CDs. Refer to "Naming CDs".
DISP ON/OFF	Enables you to set "permanent time display when unit is off". The time display is visible as long as the ignition is on.
EQ ON/OFF	This is where you turn the equalizer function on and off.

HIGH EQ — Equalizer setting used to select and adjust the level of the upper frequency area. Refer to “Equalizer setting”.

HICUT — Reduces interference during poor reception by “cutting” the high levels. Settings: NO HICUT or HI-CUT 1, 2, or 3 (3 = most drastic cut of high levels).

LO-DX — Changes the sensitivity of the station search.
LO indicates reception of close stations.
DX indicates reception of distant stations.
Select LO 3 if you wish to receive strong close stations and DX 1 if you wish to receive weak distant stations.

LOW EQ — Equalizer setting.
To select and adjust the level of the low frequency area. Refer to “Equalizer setting”.

LOUDNESS — Loudness of the high and low tones at low volume levels adjusted to the human ear.
LOUD 1 - slight level increase
LOUD 6 - highest level increase

MUTE LEVEL — Used to quickly reduce the volume level with the push of a button. The resulting level can be programmed.

PEAK — PEAK ON : Display of the sound signal volume range.
PEAK OFF: Static display of the sound volume.

SCANTIME — This function sets the scan time (5-20 sec.) for radio and CD during scan operations.

SHARX — Used to activate the automatic setting of ZF bandwidths. Set to SHARX ON when reception area contains many stations to avoid to the extent possible interference from adjacent stations.

STEREO/MO — Used to manually select stereo/mono operation. The display briefly indicates the mode selected. Each time the radio is turned on, it is automatically set to STEREO.

T. ON VOL — Allows you to determine the setting of the initial volume level. If Vol. 0 is set, the level last set is used.

Press the DSC key to store changed values and to leave the DSC menu.

Overview of the basic DSC factory settings

AM ON/OFF	**ON**
AUX IN	OFF
BEEP	4
CLK MAN/AUTO	AUTO
CLK 12/24	12
CD DISP	TIME
CDC DISP	TIME
DISP ON/OFF	OFF
EQ. ON/OFF	OFF
HICUT	2
HIGH EQ	630 Hz / 0 dB
LO-DX	SENS DX 1
LOW EQ	32 Hz / 0 dB
LOUDNESS	3
MUTE LEVEL	15
Peak ON/OFF	ON
SCANTIME	10
SHARX	ON
STEREO/MONO	Stereo
T. ON VOL	0

Specifications

ENGLISH

Amplifier

17 watts per channel minimum continuous average output into 4 ohms. 4 channels driven from 30-15000 Hz with no more than 1% total harmonic distortion.
40 watts max. power.

Tuner

Wavebands:

FM	87.5 - 107.9 MHz
AM	530 - 1710 kHz

FM frequency response: 35 - 16 000 Hz

Cassette

Frequency response: 30-18000Hz

CD

Frequency response: 20 - 20 000 Hz

CD changer
(optional, only for Alaska RDM168 and Nevada RDM168)

This unit offers you the ability to conveniently control a Blaupunkt CDC-A08 or CDC-A071 changer (or CDC-A05 with a special adaptor), all sold separately

Frequency response: 20 - 20 000 Hz

Features and specifications subject to change without notice.

Troubleshooting Guide

The following check will assist in the correction of most problems which you may encounter with your unit. Before going through the check list below, refer back to the connection and operating procedures.

General

Trouble	Cause/Solution
No sound.	• Adjust the volume with the volume knob. • With a two-speaker system, set the fader control to the center position.

Radio reception

Trouble	Cause/Solution
Preset stations are not receivable.	• The broadcast is too weak.
Automatic tuning is not possible.	• The broadcast is too weak → Use manual tuning.
Travelstore feature does not complete storing of six stations.	• Not enough broadcast frequencies are receivable.

Also make sure that antenna is connected, extended and dry inside.

CD Changer operation (optional)

Trouble	Cause/Solution
CD does not start.	• Dusty or defective disc. • The ambient temperature is more then 50° C (120" F).
The disc cannot be loaded or is automatically ejected.	• The disc is inserted with the printed side downwards.
The sound skips due to vibration.	• The changer is installed at an angle of more than 20". • The changer is not installed on the sturdy part of a car. • Dusty or defective disc.

Error Displays

Trouble	Cause	Solution
“CD ERR”	A disc such as an upside down or dirty disc, or a CD-ROM (computer) disc.	insert the disc correctly. Clean the disc.
“NO DISC”	No magazine or disc in changer	‘Take out the magazine and insert the disc.

If the above mentioned solutions do not help to improve the situation, consult your nearest Blaupunkt dealer or in the United States call l-800-266-2528.

BLAUPUNKT.

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Hecho en Portugal
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K7/VKD 8 622 401 549

5 SERIES

BLAUPUNKT

Bosch Group

Arizona CM 148
Colorado CM 168
Florida RD 168
Nevada RDM 168
Alaska RDM 168

INSTALLATION INSTRUCTIONS

SAFTEY NOTES & GENERAL RECOMMENDATIONS

To avoid costly mistakes and serious damage, please carefully read all of the instructions before you begin. You'll be glad you did!

- If you're not confident that you can install the receiver correctly, have it installed by a qualified Blaupunkt installation technician.
- Use this receiver only with negative ground 12-Volt (1 l-l **6** Volt) direct current (DC).
- A quick-acting 10A fuse protects this receiver. Do not substitute any other type of fuse.
- During operation of the receiver, the receiver's sidewall may heat up considerably. Be sure to keep all wires away from hot parts of the housing.
- Do not damage the vehicle's battery, wiring or fuse box. Before drilling holes, look to see what is on the other side!
- Be sure to observe the safety notes of the vehicle manufacturer, such as those for airbags, alarm systems, on-board computers, immobilisers, and braking systems, etc.
- We recommend making and testing all electrical connections before installing the receiver. Connect the leads (wires) according to instructions below.
- Don't assume that a seemingly-matching wire harness in the vehicle matches the receiver's wire harness wire-for-wire. Make sure before you connect anything!
- Your Blaupunkt dealer may be able to sell you adapter harnesses for your vehicle, which can make connections much easier.
- Modification of this receiver or its mis-connection and/or mis-installation will void its warranty.

ELECTRICAL CONNECTION INSTRUCTIONS

A. Connect the Wire Harnesses to the Vehicle's Electrical System (See Fig. 4)

To prevent short circuits or serious damage to the receiver and/or speakers:

1. Disconnect the vehicle battery's negative terminal before making connections.
2. Connect the speakers and/or external amplifiers (if you have any) following the guidelines in the SPEAKER & AMPLIFIER CONNECTION section on the next page.
3. Connect the blue (trigger output) lead to an antenna motor trigger switch input terminal (if you have one). (Maximum amperage required must not exceed 150 mA.)
4. Florida RD 168, Nevada RDM 168, and Alaska RDM 168 only: Connect the orange ILLUMINATION lead to the vehicle's adjustable illumination (dimmer).
5. Colorado CM 168, Nevada RDM 168, and Alaska RDM 168 only: If you have a cellular telephone set that has a mute lead (lead that supplies constant ground when telephone is in use), connect it to the dark green lead.

6. Connect the black (power ground) lead to a grounded metal part on the vehicle. We recommend grounding all audio system black ground leads (receiver, changer,-additional amplifiers, etc.) to a common grounding point, preferably a non-painted surface under the instrument panel.

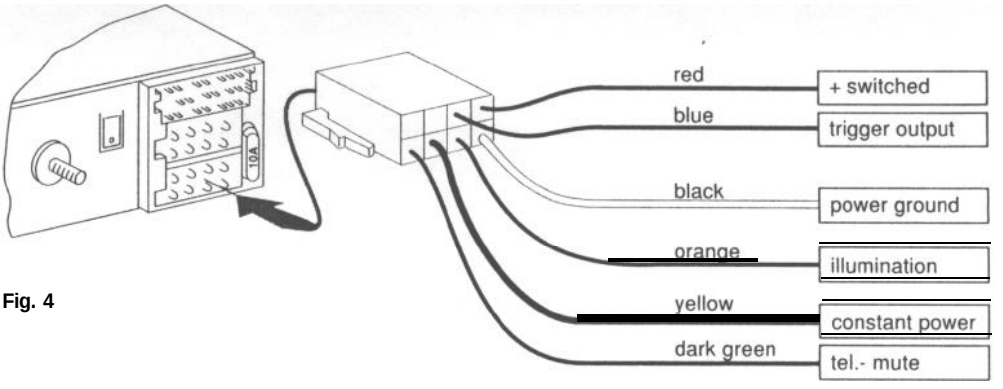


Fig. 4

7. Connect the yellow (constant power) input lead to a source of constant battery power, preferably directly to the battery. The wire must be 18-gauge or thicker.
8. After the other leads are connected, connect the red turn-on "IGNITION" lead using either of the following alternatives:
   A. (Recommended) – Connect it to a positive (+) 12 Volt power terminal that is energized only when the ignition key is set to the "on" position or accessory position. (You can still turn the unit on for one hour even if the ignition is off.)
   B. This lead can instead be connected to a source of constant power, however, your receiver's operation will be completely separate from the ignition.

   With either alternative, the receiver's DSC Setting "DISP ON/OFF" allows you to choose whether or not the receiver and its display are illuminated when the receiver is turned off, but still receiving power via the red lead.
9. Cover the ends of any unused leads with electrical tape. This will prevent them from touching the vehicle or each other and causing a short circuit and damage to the receiver or vehicle.
10. Reconnect the vehicle's battery.
11. Verify that no fuses have blown.

B. Test the Connections

1. To help prevent possible electrical damage from accidental misconnection of the receiver, first attach your vehicle's antenna. (With Florida RD 168, Nevada RDM 168 and Alaska RDM 168 only: if necessary, attach the antenna "elbow" connector and affixing bracket to the back of the receiver.)
2. Be sure to detach the faceplate before you start to connect the receiver.
3. Plug the harness into the receiver.
4. Verify that the receiver's and vehicle's fuses haven't blown.
5. Attach the faceplate and test the receiver.
6. Once the connections have been successfully made, you can begin the INSTALLATION. (See below.)

SPEAKER 81 AMPLIFIER CONNECTIONS

The receiver's Dual-Level Fader allows you to fade between the front and the rear channels using the receiver's internally-amplified output via front and/or rear speaker leads AND/OR its 4-channel preamp output, providing tremendous flexibility in configuring your audio system arrangement:

- You can connect a speaker (regular, co-axial or tri-axial speakers or component speaker system, all hereafter referred to simply as "speaker") to each of the receivers' four pairs of speaker leads.
- With the Blaupunkt preamp output adapter 7 607 893 093 (available separately], you can provide 4-channel preamp output to additional external amplifiers and power multiple speakers or speaker systems through those amplifiers. (Blaupunkt amplifiers and speakers available separately).
- You can use either or both of these two methods.

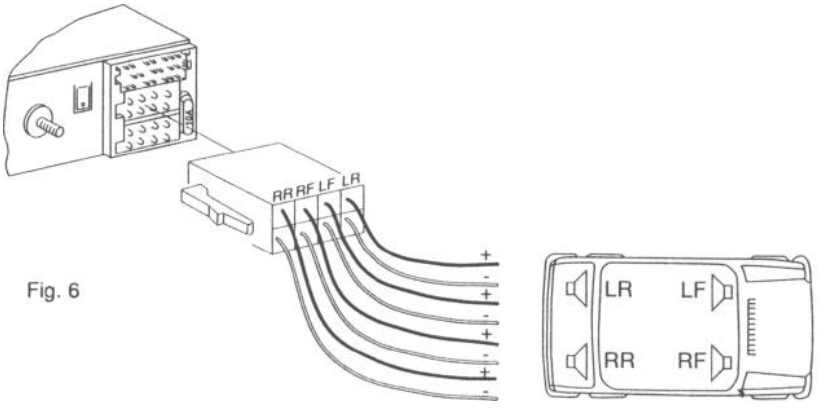


Fig. 6

Connecting Speakers to the Outputs from the Receiver's Internal Amplifier

To prevent short circuits or serious damage to the receiver and/or speakers:

- Disconnect the vehicle battery's negative terminal before making connections.
- Connect the speaker leads only as indicated on the speaker wire block. (See Fig. 6)
- Only use speakers that have impedance ratings of 4 ohms or higher and have power-handling capabilities greater than the receiver's stated power level.
- The receiver's internal amplifier is designed to handle a 4-ohm load on each pair of speaker leads.
- DON'T connect two speakers to a single pair of speaker leads ("in parallel") unless both speakers each have at least 8 ohms impedance.
- DON'T connect the left and right speaker leads to each other or to the same speakers.
- DON'T connect the front and rear speaker leads to each other or to the same speakers.
- DON'T connect the negative speaker leads to each other.
- DON'T connect the positive speaker leads to each other.
- DON'T connect any active speakers (with built-in amplifiers) to the speaker leads unless their owner's manuals specifically state that this is O.K.
- Cover the ends of any unused leads with electrical tape. This will prevent them from touching the vehicle or each other and causing a short-circuit and damage to the receiver or vehicle.
- Make the other electrical connections. (See previous page.)

Connecting Additional Amplifiers or an Equalizer to the Receiver's Preamp Output

Obtain the Blaupunkt RCA 4-channel preamp output adapter 7 607 893 093 from your dealer. It includes a blue/white trigger lead for switching the amplifier on and off. Connect the adapter into the top left section of the connector block on the back of the receiver. (See Fig. 7) Follow the amplifier's or equalizer's instructions regarding connection. (Blaupunkt amplifiers available separately).

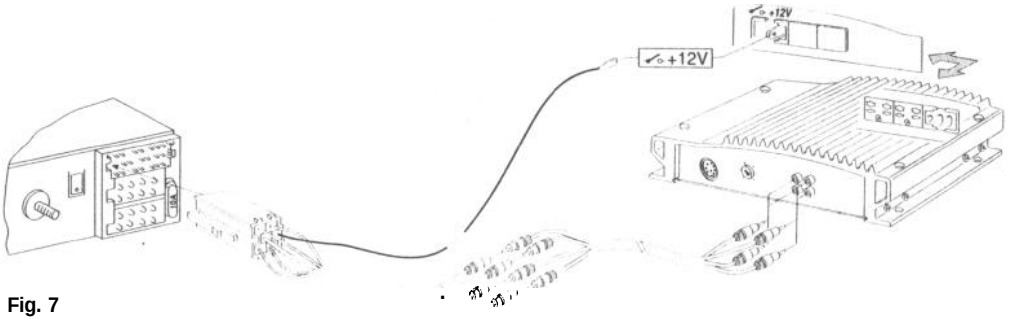


Fig. 7

CD CHANGER OR AUX-IN CONNECTION
(Arizona, CM 148, Colorado CM 168, Nevada RDM 168, & Alaska RDM 168 Receivers)

CD Changer Connection

These receivers can control a Blaupunkt CDC-A08 or CDC-A071 CD Changer (or with the adapter harness 7 607 889 093, they can control a Blaupunkt CDC-A05 CD Changer) *(All/available separately.)* The changer cable plugs into the right top connector block on the back of the receiver. (See Fig. 6) See the changer instructions for details.

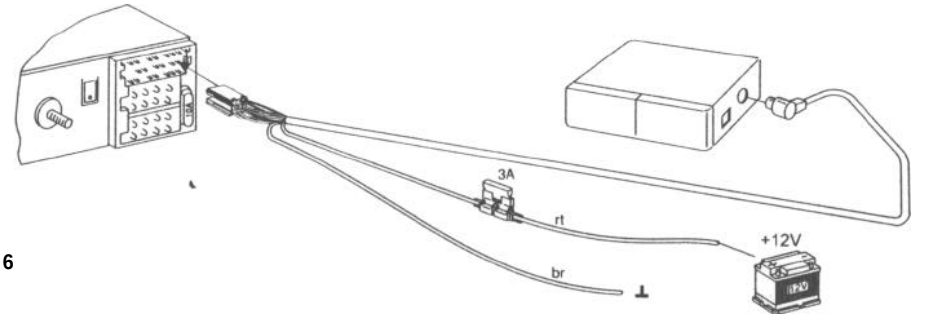


Fig. 6

Aux Input

If a changer is not connected, you can connect portable audio equipment to your receiver by purchasing Blaupunkt accessory harness 7 607 897 093. It connects to the right top block on the rear of the receiver. It includes a 2-meter aux-in cable with a 3.5 mm male plug for direct insert into your portable equipment.

WIRELESS REMOTE CONTROL
(Colorado CM 168, Nevada RDM 168, & Alaska RDM 168 only)

This receiver's most-frequently used features can be conveniently controlled from the steering wheel with Blaupunkt's unique Thummer III Steering-Wheel Remote Control. *(Available separately.)* The Thummer III includes a receiving "eye" that can be placed virtually anywhere on the dash, which connects into the center top block on the back of the receiver.

INSTALLATION INSTUCTIONS

Recommendations

- Carefully choose the mounting location so that the receiver won't interfere with normal driving.
- Avoid mounting locations where the receiver would be subject to high temperatures, such as from direct sunlight or hot air from the heater, or where it would subject to dust, dirt or excessive vibration.
- The illustration below shows a typical installation, however, you may need to adjust the installation, depending on the receiver. If you have questions or need additional installation hardware, consult your Blaupunkt dealer.
- Make sure the receiver is firmly anchored (preferably at both front and back) and does not vibrate.

Installing the Receiver in Most Dashboards

This car receiver and its mounting bracket are designed for installation in vehicles with a standard DIN installation compartment measuring 182 x 53 mm, a 165 mm installation depth and an instrument panel thickness of approximately 1 to 20 mm in the area of the tab fasteners. (See Fig. 1)

1. Place the mounting bracket in the compartment and bend over all of the tabs possible. (See Fig. 2)
2. Your vehicle may also allow you to provide extra stability at the back of the receiver. Look at the wall behind the radio cavity to see if there is a small hole the size of the enclosed plastic plug, If so, screw it onto the treaded bold at the back of the receiver before pushing it into the mounting bracket.
3. With the detachable face off, place the receiver into the mounting bracket and push it in until the side springs snap into position on the left and right. (You will hear an audible click.)
4. To remove the receiver, see the maintenance section on the next page.

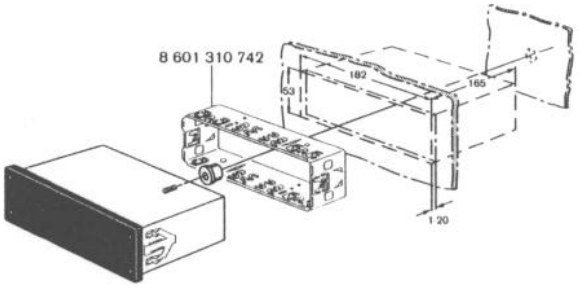


Fig. 1

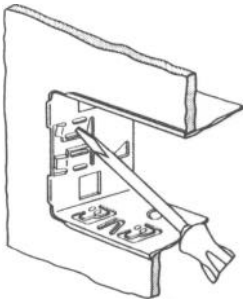
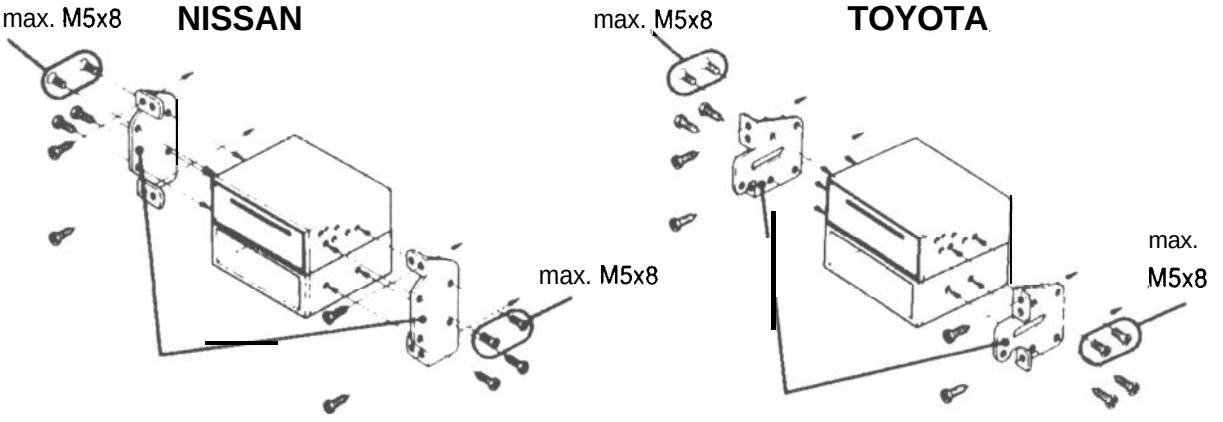


Fig. 2

Installing the Receiver in a Japanese Car

This receiver is designed for easy installation in most popular Japanese cars that have "ISO" (side-bracket) mounting system. If you have questions, ask your Blaupunkt dealer.

1. Remove the vehicle's "bezel" trim piece and the remove the existing radio.
2. Unscrew the bolts on each side of the receiver to remove the trim ring. Save the trim ring in case you ever want to install the receiver in another vehicle.
3. Use the vehicle's own mounting hardware to attach the unit.
4. With the detachable face removed, reinstall the vehicle's bezel.
5. Only after the bezel in reinstalled, attach the face.



MAINTENANCE

Removing the Receiver

Insert the "release handles" into the holes in the panel on the left and right of the receiver and push them in until you hear a distinct snap, which indicates the side springs are unlocked. Pull the unit out using both handles. (See Fig. 3) Note: Handles that have snapped into place can only be removed after you have pulled the receiver out of the complement. Remember where you store the "release handles".

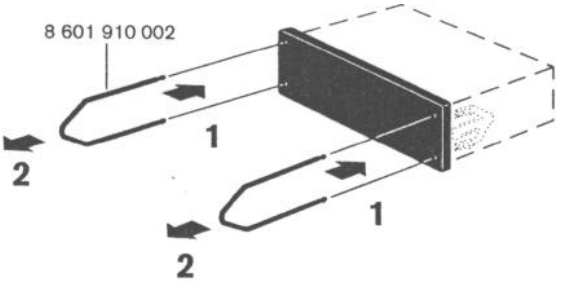


Fig. 3

Fuse Replacement

When replacing the fuse, be sure to use one with the correct amperage, which will be stated on the fuse case. Never use a fuse that has a stated amperage exceeding the one supplied for this receiver as this could cause malfunction and serious damage to the receiver.

Cleaning the Connectors

The receiver may not operate properly if the connectors between the receiver and the detachable face are contaminated with dirt. To clean the connectors, use a cotton swab and isopropyl alcohol (90% or higher). Be sure to clean them with a vertical motion. Never clean them horizontally, because this could damage the contact points.

Affixing the Detachable Face for Retail Display

The detachable face can be affixed to the receiver's chassis, which is desirable for a retail display. To affix the face, obtain the small self-tapping screw from the hardware pack and drive it into the upper hole at the front left side of the chassis using a Phillips screwdriver. The bolt will self-thread the hole. (See Fig. 8)

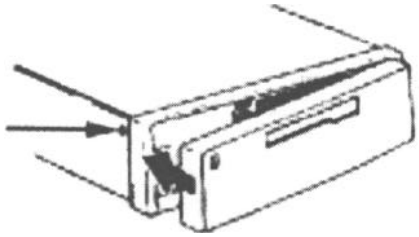


Fig. 8

Faceplate affixing screw goes here

TROUBLESHOOTING -- Refer to the receiver's Owner's Manual. If you have questions, please consult your Blaupunkt dealer or in the United States call l-800-266-2528.

Installer -- These Installation Instructions are the property of the consumer!
Make sure they are left in the vehicle!